Closed Topic Search

Enter terms
Search

Reset Sort By: Close Date (descending)

- Relevancy (descending)
- Title (ascending)
- Open Date (descending)
- Close Date (ascending)
- Release Date (descending)

NOTE: The Solicitations and topics listed on this site are copies from the various SBIR agency solicitations and are not necessarily the latest and most up-to-date. For this reason, you should visit the respective agency SBIR sites to read the official version of the solicitations and download the appropriate forms and rules.

Displaying 31 - 40 of 116 results

1. MDA15-024: Non-Destructive Testing Methods for Detecting Red Plague Within an Insulated Silver Plated Copper Conductor

Release Date: 04-24-2015Open Date: 05-22-2015Due Date: 06-24-2015Close Date: 06-24-2015

Red Plague is a galvanic corrosion of silver coated copper materials which occurs when the silver coating does not adequately cover the underlying copper and is exposed to water by either direct contact or condensation. Red Plague causes degradation of the anodic copper while leaving the cathodic silver plating intact. More details for causes and current mitigation provided in in SAE-ARP-6400, the ...

SBIR Missile Defense AgencyDepartment of Defense

2. MDA15-025: Passive Inter-Modulation RF Emissions Utilized for Identifying Galvanic Corrosion in Metal Structures

Release Date: 04-24-2015Open Date: 05-22-2015Due Date: 06-24-2015Close Date: 06-24-2015

Corrosion is a major concern that causes premature deterioration or failure at damage sites in metal structures thereby necessitating monitoring, maintenance, repair or replacement. PIM emissions are a known problem for ships and land-based cellular systems where metal structures simultaneously receive RF radiation on two or more different signal frequencies. The received RF signal frequencies may ...

SBIR Missile Defense AgencyDepartment of Defense

3. MDA13-T001: Decision Making under Uncertainty

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Analyze the impact of sensor measurement uncertainties on centralized data fusion and design optimal strategies to mitigate the associated target classification. DESCRIPTION: This topic solicits innovative approaches to characterize target sensor measurement uncertainties and to design effective sensor architectures to aid uncertainty mitigation (e.g. whether sending measurements or ...

STTR Department of DefenseMissile Defense Agency

4. MDA13-T002: Micro-Particle Debris Characterization from Hyper-Velocity Impacts

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Develop innovative, laboratory-based methods to measure and characterize (i.e. size, number, temperature etc.) the small particles less than 1 cm generated in hyper-velocity impacts. Those methods should provide benchmark data for physics-based impact debris prediction codes aimed at modeling electro-optical / infra-red (EO/IR) impact flash signatures. The methods may include sensor ...

STTR Department of DefenseMissile Defense Agency

5. MDA13-T003: Enhancement of Ballistic Missile Defense System Level Simulation Operations Through Multi-core Processing

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Develop technology to enhance the Missile Defense Agency"s (MDA) Ballistic Missile Defense System (BMDS) simulation operations through the employment of multi-core processing environments. DESCRIPTION: With the introduction of the Objective Simulation Framework (OSF), the BMDS enterprise-level simulation has the potential to present a more realistic and complex missile defense sc ...

STTR Department of DefenseMissile Defense Agency

6. MDA13-T004: Event Integration & Execution Checklist Automation in Support of Improved Situational Awareness and Knowledge Dissemination (AutoCheck)

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Develop an innovative distributed software package that generates, tracks and correlates Ballistic Missile Defense System (BMDS) event integration and execution tasks in order to improve situational awareness and user accuracy for event stakeholders. DESCRIPTION: AutoCheck will be of potential benefit to almost every DoD entity, including all the service components. Any activity t ...

STTR Department of DefenseMissile Defense Agency

7. MDA13-T005: Command and Control, Modeling and Simulation, Training

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Investigate, design, and develop a command and control training system that incorporates state of the art virtual world, virtual reality, gaming engines, avatar, and artificial intelligence technologies. The end state would be multi-player distributed command and control training simulation that is able to model complex command and control element interactions and that is able to synt ...

STTR Department of DefenseMissile Defense Agency

8. MDA13-T006: Reliability Model and Data Acquisition for Solid Propellant Missiles

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Develop an innovative high-fidelity, comprehensive framework that estimates reliability and aids in reliability growth for missile systems employing solid propellant motors. DESCRIPTION: The Targets and Countermeasures Directorate of the Missile Defense Agency (MDA) employs refurbished target systems to simulate current threats with improved

reliability. Innovative techniques to ...

STTR Department of DefenseMissile Defense Agency

9. MDA13-T007: Lightweight Optical Benches and Mounting Structures

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: The Missile Defense Agency (MDA) is pursuing technology to develop the next generation airborne laser. Part of the design places an emphasis on weight constraints; therefore MDA is placing interest in investigating materials to manufacture lightweight optical benches while maintaining high degrees of stiffness for low vibration and precision alignment. MDA is also interested in explo ...

STTR Department of DefenseMissile Defense Agency

10. MDA13-T008: Phased Array Laser Beam Steering

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Develop a novel phased array laser beam steering capability for large-aperture high-power combined fiber laser systems. This innovative capability should allow for fine beam steering on the order of micro-radians to nano-radians with potential traceability to larger angle beam steering. DESCRIPTION: Pointing High Energy Lasers (HELs) over great distances requires precision optic ...

STTR Department of DefenseMissile Defense Agency

- First
- Previous
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- …
- Next
- Last

jQuery(document).ready(function() { (function ($) { $('#edit-keys').attr("placeholder", 'Search Keywords'); $('span.ext').hide(); })(jQuery); });